

## INTERNATIONAL SEARCH REPORT

PCT/IB 03/00118

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 A41D25/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 A41D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 084 916 A (AUSTIN JOSEPH R) 4 February 1992 (1992-02-04) the whole document	1-3
A	WO 99 09849 A (SENS GROSHOLZ PEER) 4 March 1999 (1999-03-04) cited in the application the whole document	1-3
A	US 2 636 178 A (COREY ROBERT J) 28 April 1953 (1953-04-28) column 2, line 54 -column 4, line 5; figures	1-3
A	DE 299 14 161 U (VON BURGSDORFF HEIKEDINE) 21 December 2000 (2000-12-21) figures 2-4	1-3
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\* & \* document member of the same patent family

Date of the actual completion of the international search

14 March 2003

Date of mailing of the international search report

07/04/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Uhlig, R

# INTERNATIONAL SEARCH REPORT

PCT/IB 03/00118

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 5 778 453 A (CHEN HUI-SHEN)  14 July 1998 (1998-07-14)  the whole document</p> <p>-----</p>	1-3

# INTERNATIONAL SEARCH REPORT

patent family members

PCT/IB 03/00118

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5084916	A	04-02-1992	NONE	
WO 9909849	A	04-03-1999	IT RM970514 A3 AU 8641298 A WO 9909849 A1	25-02-1999 16-03-1999 04-03-1999
US 2636178	A	28-04-1953	NONE	
DE 29914161	U	21-12-2000	DE 29914161 U1	21-12-2000
US 5778453	A	14-07-1998	NONE	